

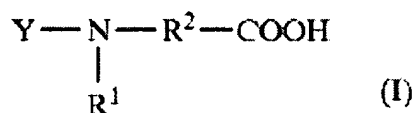
AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (canceled).

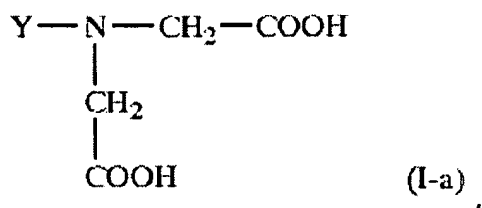
2. (currently amended): A planographic printing plate precursor comprising an intermediate layer containing a polymer having a structure represented by the following formula (I) and at least one group selected from an onium group and an acidic group at its side chain and an infrared laser photosensitive positive recording layer disposed on a support in this order:



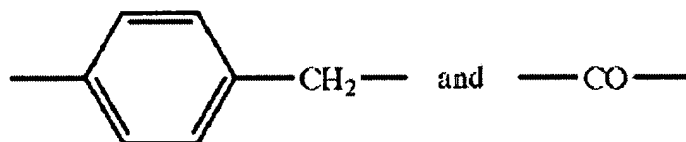
wherein Y represents a connecting group connected with a main chain of the polymer; R¹ is a hydrocarbon group substituted with a carboxylic acid group; and R² is a straight-chain hydrocarbon group or an hydrocarbon group substituted with a carboxylic acid group.

3. (previously presented): The planographic printing plate precursor according to claim 2, wherein in the formula (I), R¹ is an alkyl group substituted with a carboxylic acid group, and R² is a straight-chain alkylene group.

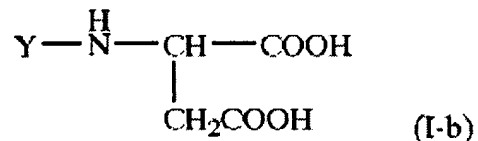
4. (currently amended): A planographic printing plate precursor comprising an intermediate layer containing a polymer having a structure represented by the following formula (I-a) and at least one group selected from an onium group and an acidic group at its side chain and an infrared laser photosensitive positive recording layer disposed on a support in this order:



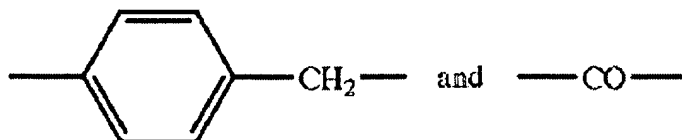
wherein Y represents a connecting group selected from the following structures



5. (currently amended): A planographic printing plate precursor comprising an intermediate layer containing a polymer having a structure represented by the following formula (I-b) and at least one group selected from an onium group and an acidic group at its side chain and an infrared laser photosensitive positive recording layer disposed on a support in this order:



wherein Y represents a connecting group selected from the following structures



6. (previously presented): The planographic printing plate precursor according to claim 2, wherein a content of the structure represented by the formula (I) in the polymer is 5% by mole or more.

7. (previously presented): The planographic printing plate precursor according to claim 2, wherein the polymer is a polymer obtained by copolymerizing a monomer having the structure represented by the formula (I) with another monomer.

8. (previously presented): The planographic printing plate precursor according to claim 7, wherein the another monomer is a monomer having an onium group.

9. (previously presented): The planographic printing plate precursor according to claim 7, wherein the another monomer is a monomer having an acidic group.

10. (previously presented): The planographic printing plate precursor according to claim 7, wherein the another monomer is a monomer having a functional group that is capable of interaction with the recording layer.

11. (previously presented): The planographic printing plate precursor according to claim 2, wherein a content of the polymer in the intermediate layer is 50 to 100% by mass based on a total solid content constituting the intermediate layer.

12. (previously presented): The planographic printing plate precursor according to claim 2, wherein a weight average molecular weight of the polymer is 500 to 1,000,000.

13. (previously presented): The planographic printing plate precursor according to claim 2, wherein a coating amount of the intermediate layer after drying is 1 to 100 mg/m².

14. (previously presented): The planographic printing plate precursor according to claim 2, wherein the recording layer contains an alkali-soluble resin.

15. (previously presented): The planographic printing plate precursor according to claim 14, wherein the alkali-soluble resin has an acidic group selected from the group consisting of a phenolic hydroxyl group, a sulfonamide group, a substituted sulfonamide acidic group, a carboxylic acid group, a sulfonic acid group and a phosphoric acid group.

16. (previously presented): The planographic printing plate precursor according to claim 2, wherein the recording layer contains an infrared absorbing agent.

17. (previously presented): The planographic printing plate precursor according to claim 16, wherein the infrared absorbing agent is a cyanine dye.

18. (previously presented): The planographic printing plate precursor according to claim 2, wherein the recording layer has a multilayer structure.

19. (previously presented): The planographic printing plate precursor according to claim 2, wherein the support is a support that has undergone hydrophilicizing treatment using an alkali metal silicate.